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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,089	03/02/2004	Emmanuel Mermoz	0595-1001	1187

466 7590 10/11/2005

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EXAMINER
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AMIRI, NAHID

ART UNIT	PAPER NUMBER
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3679

DATE MAILED: 10/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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**Office Action Summary**

Application No.

10/790,089

Applicant(s)

MERMOZ, EMMANUEL

Examiner

Nahid Amiri

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 13 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) 5 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 02 March 2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: exhibit.

## DETAILED ACTION

### *Election/Restrictions*

Applicant's election without traverse of invention of Group II, Fig. 5, claims 1-4 and 6-12 in the reply filed on 13 September 2005 is acknowledged.

Claim 5 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 13 September 2005.

### *Claim Objections*

Claims 1, 2 and 7 are objected to because of the following informalities: The word "provided", line 1, drawn to method of making the coupling, therefore, it should change to --comprising--, line 8, "this annular space" should change to --the annular space--, line 9, "engage end" should change to --engage an end--, and line 14, "internal" should change to --external--. Claim 2, line , the "external ring" should change to --external conical ring--. Claims 7, line 2, "conical external ring" should change to --external conical ring--, and lines 3 and 4, "the bottom of" should change to --on a bottom of--.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 112*

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4 and 6-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims 1-4 and 6-12 are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and contain multiple errors. (e.g.) Claim 6, line 2, it is not clear what does applicant mean by having said annular space (10) is "blind"? Line 3, "more or less" it is not clear if annular space extends over entire length of the external ring or not?

Claim 1 recites the limitations "said passage" in line 7, "the outer surface" in line 8, and "outer ring " in line 10. There is insufficient antecedent basis for these limitations in the claim.

Claim 2 recites the limitation "the other (8F) in line 4, "the transversal faces" in line 4. There is insufficient antecedent basis for these limitations in the claim.

Claim 3 recites the limitations "said housing" in lines 3-4. There is insufficient antecedent basis for this limitation in the claim.

Claim 4 recites the limitations "the outer perimeter", in lines 4 and 5, "inner passage", in line 6; and "said housing" in line 6. There is insufficient antecedent basis for this limitation in the claim.

Claim 7 recites the limitations "the transversal faces" in line 5, and "the tubular end" in line 5. There are insufficient antecedent basis for these limitations in the claim.

Claim 8 recites the limitation "axial passage" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Claim 9 recites the limitation "said inside (8C) and outside (9A) conical combined surfaces" in lines 2-3. There is insufficient antecedent basis for this limitation in the claim.

Claim 10, recites the limitations "said inside ring (9)" in line 2; "the end opposite" line 3; "axial passage" in line 4; "the housing" lines 4-5; "the threading" line 6; "inner ring" line 6; "said housing" line 7; and "outer ring" line 8. There is insufficient antecedent basis for these limitations in the claim.

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Claim 11, recites the limitations “the inner surface of said inner ring” in lines 2-3; “the transversal face” in line 3; and “said inner ring” in line 4. There is insufficient antecedent basis for these limitations in the claim.

Claim 12, recites the limitation “said housing” in line 3. There is insufficient antecedent basis for these limitations in the claim.

Therefore, the examiner will examine the claims as best understood.

### ***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4 and 6-12 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent No. 6,783,342 B2 Norman et al.

In regard to claims 1-4 and 6-12: Norman et al., disclose a pump assembly (Fig. 3) including a rigid flange (46) with a rigid cylindrical flange (44) having a passage to coaxially accommodate a set of internal ring (52) and external ring (42) having semi through side slots (48) terminate in one end of the transversal face of the external ring (42) which receives a hollow shaft (50), since the external ring (42) having diameter less than cylindrical flange (44) therefore, it creates a space between the inside surface of the passage of the cylindrical flange (44) and outer surface of the external ring (42), the rotating link (R) attachment between the housing and internal ring (52), wherein the rotating link (R) arranged on the outer perimeter of the internal ring (52) and on the inside perimeter of the inner passage of the housing, wherein the external ring (42) has annular shoulder (S) (see attachment) which forms on the bottom of the annular space and against the transversal face of the tubular end of the shaft (50), wherein the inside and outside of the external and internal rings (42 and 52) are cone shaped with an apex on the opposite end to the shaft (50), the internal ring (52) extends on the end opposite of the shaft (50) having a clamping portion (53) screwed onto the threaded portion of nut (38) which pull the

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internal and external ring (42 and 52) together, wherein the inner surface of the internal ring (52) flared linearly upward and turned inward towards the lower end.

### *Conclusion*


The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US 5,927,892 The-Tsung, US Patent No. 5,810,504 Rabinovich, US patent No. 5,474,403 Hetrich, cited arts show an assembly having inner and outer ring wherein the outer ring having a semi-through side slots.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nahid Amiri whose telephone number is (571) 272-8113. The examiner can normally be reached on 8:30-5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on (571) 272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Nahid Amiri  
Examiner  
Art Unit 3679  
September 21, 2005



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